

Title (en)

X-ray CT apparatus and medical data communication link system

Title (de)

Röntgen-CT-Gerät und Verknüpfungssystem zur Kommunikation von medizinischen Daten

Title (fr)

Appareil CT à rayons X et système de liaison des communications de données médicales

Publication

**EP 1810617 B1 20081203 (EN)**

Application

**EP 07000819 A 20070116**

Priority

JP 2006010055 A 20060118

Abstract (en)

[origin: EP1810617A2] A receiving medium comprising N components is assigned to N channels, respectively, and provided along the circumference of a stationary frame around which a rotating frame rotates. A transmission medium of M components ( $M \neq 2N$ , N represents an integer more than 1) is arranged separately in a line along the circumference of the rotating frame with intervals therebetween. A signal generation device produces a signal containing data relating to an object obtained by an X-ray detector device. As the transmission medium is rotated to face anyone of the receiving media and the interval between two adjacent transmission media passes nearby one of said receiving medium, a switching device switches the signal from said generation device such that the signal from the same channel may be transmitted to the two adjacent transmission media. Due to this switching, a signal containing the data from the X-ray detector device distributed to each channel can be transmitted continuously to the stationary frame without fail.

IPC 8 full level

**A61B 6/00** (2006.01); **H01P 1/06** (2006.01)

CPC (source: EP US)

**A61B 6/4233** (2013.01 - EP US); **A61B 6/56** (2013.01 - EP US)

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DE

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**EP 1810617 A2 20070725**; **EP 1810617 A3 20070801**; **EP 1810617 B1 20081203**; CN 100579455 C 20100113; CN 101002688 A 20070725; DE 602007000299 D1 20090115; US 2007165776 A1 20070719; US 7502438 B2 20090310

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**EP 07000819 A 20070116**; CN 200710002067 A 20070118; DE 602007000299 T 20070116; US 62399107 A 20070117